Developing a website for -

‘ TECHNO PAL ’ Internet, Game cafe and Computer Associates store

KAN/IT/2022/F/0103

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December 2022

DECLARATION

I declare that this is my own work and this report does not incorporate without acknowledgement any material previously submitted for a Degree or Diploma in any other University or institute of higher learning and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgement is made in the text. Also, I hereby grant to ATI (Advanced Technological Institute) Kandy the non-exclusive right to reproduce and distribute my report, in whole or in part in print, electronic or other medium. I retain the right to use this content in whole or part in future works.

Signature: _____ Date: 2024.02.07

G.G.J.S.P.K.Gawarathenna

The supervisor/s should certify the report with the following declaration.

The above candidate has carried out Project report under my supervision.

Supervisor: _____ Date: _____
Mrs. Shyamalie Pradeepika

ACKNOWLEDGEMENT

To become a professional in Information Technology software industry, this is a foundation for each undergraduate student. It helps students to improve their practical skills related to coding, designing, testing, innovative thinking, research and reporting as well as soft skills. Also, it helps the students get exposure to the industry, apply the gained knowledge throughout the Project work and learn new updated technologies. In addition, it helps students' career Development in software engineering and project management fields.

Firstly, I would like to give great and lovely thanks to Almighty god for blessing me with strong and comfortable health as well as courage for the accomplishment of my project. we hereby use this opportunity to thank everybody who helped me directly and indirectly of successful completion of my project in "Individual Project" subject. For those who made this opportunity a reality.

Special thanks go to my project supervisor Mrs. Shyamalie Pradeepika, for his contribution on my project since I have started up to end for support, advice and knowledge in order to achieve and complete the project successfully.

I would like to thank my institute SLIATE (Sri Lanka Institute of Advanced Technological Education) for giving me this opportunity. Further I would like to thank my faculty, all academic and non-academic staff made our Project success.

Next, I would like to extend my thanks go to our group members, who helped to do the project well organized and within the short time period with useful ideas and encouragement. my sincere gratitude toward all friends and well-wishers. I do really appreciate their support and co-operation during my project. I got an incredibly good working environment with great help for me to work in that place without any disappointment.

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CHAPTER 1

1.0 INTRODUCTION

Mr. Kasun Edirisighe faces a common challenge in his busy life the inability to provide timely details to his clients, leading to missing opportunities.

our proposal aims to create organized catalog about his games, internet cafe all services and create organized catalog and categorized all of about computer parts for quick access.

therefor ensuring he never misses a client again.

1.1 BACKGROUND AND MOTIVATION

My client, Mr.Edirisinghe has a busy schedule, struggle to provide timely customer details, resulting in missed opportunities.to resolve this our project will develop a webpage about internet, games café's services and cataloging computer associates. The motivation behind this endeavor is to enhance customer satisfaction, retention and overall business efficiency by simplifying the Mr. Edirisinghe's workload.

1.2 AIMS AND OBJECTIVES

Aims –

The main aim of this project is to create a user friendly online platform where the businessman can efficiently showcase their café services and information. Also showcase their computer associates and their pricing, type, models. This platform aims to enhance customer engagement and satisfaction.

Objectives –

Create a website layout that is intuitive and visually attractive to improve user experience and make it simple for visitors to locate computer associates and their pricing, type, models

1.3 SCOPE

This project will focus on creating a single webpage with an intuitive interface. It includes the establishment of a database for computer all kind associates and service about cafes. Allowing to customers to explore an initiate inquiries. The web page enhance customer interaction and simplify the quote request process.

CHAPTER 2

2.0. TECHNOLOGY ADAPTED

2.0.1 OVERVIEW

The project leverages modern web development technologies to achieve its objectives. The website is built using HTML5, CSS3, and JavaScript for the front end.

2.0.2 TECHNIQUES USED

HTML5/CSS: Used for structuring and styling the website, ensuring a visually appealing and responsive design.

-JavaScript: Implemented to enhance user interactivity and provide dynamic features

2.1 DESIGN

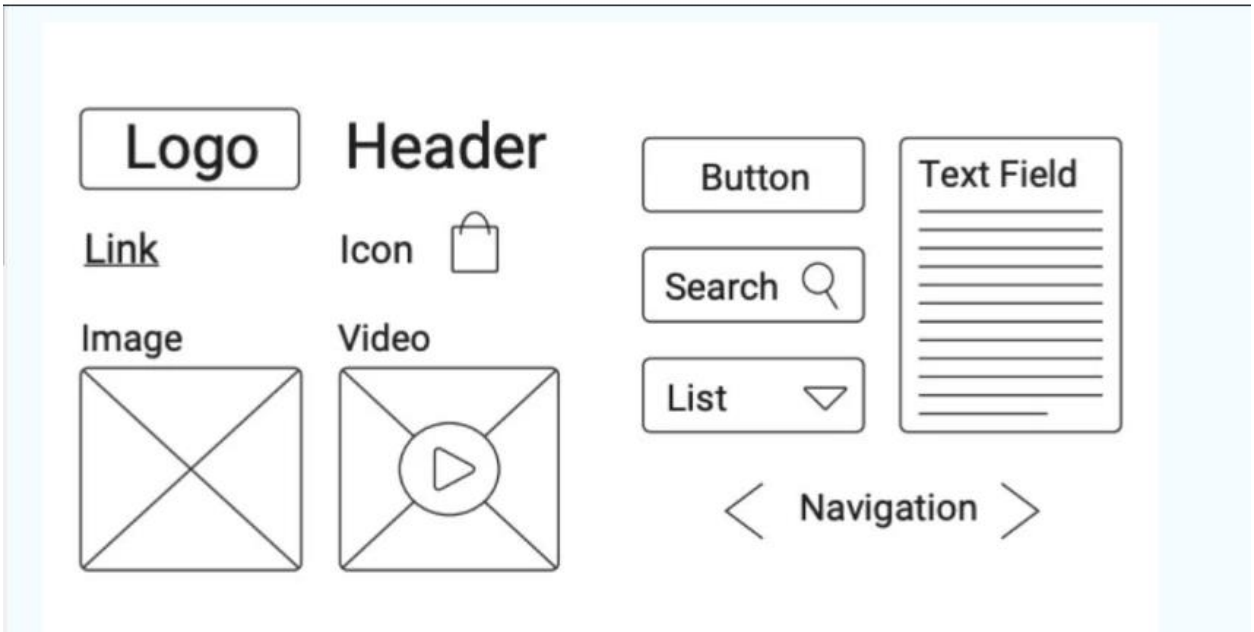
The proposed solution for the project creating a user friendly and simple website to showcase the store photographs, description and other valuable details. This website showcase an organized full database about computer associates their type, model, price, manufactures. Also website includes description about Internet, games café's services. From this design Customer will easily navigate this interface to access all above information and submit inquiries. The solution aims to streamline communication, optimize the time and enhance customer engagement through efficient online platform.

Below wireframes will showcase how website's design created.

2.2.1 WHAT IS WIREFRAME

A wireframe is a two-dimensional illustration of a page's interface that specifically focuses on space allocation and prioritization of content, functionalities available, and intended behaviors.

Wireframe Elements



2.2.2 PROPOSED DESGIN

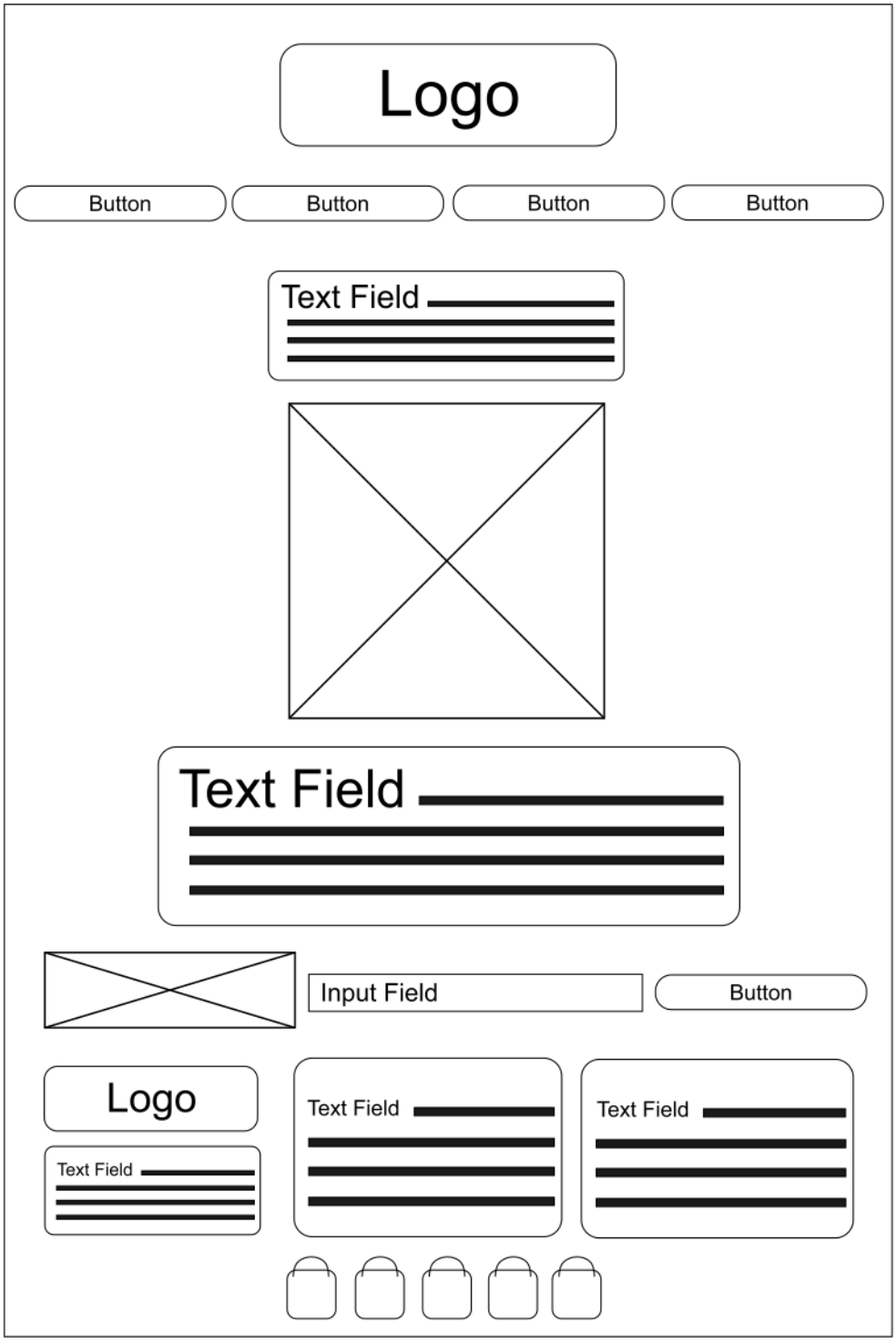


Figure – 2.2.2.1 Proposed main home interface of website

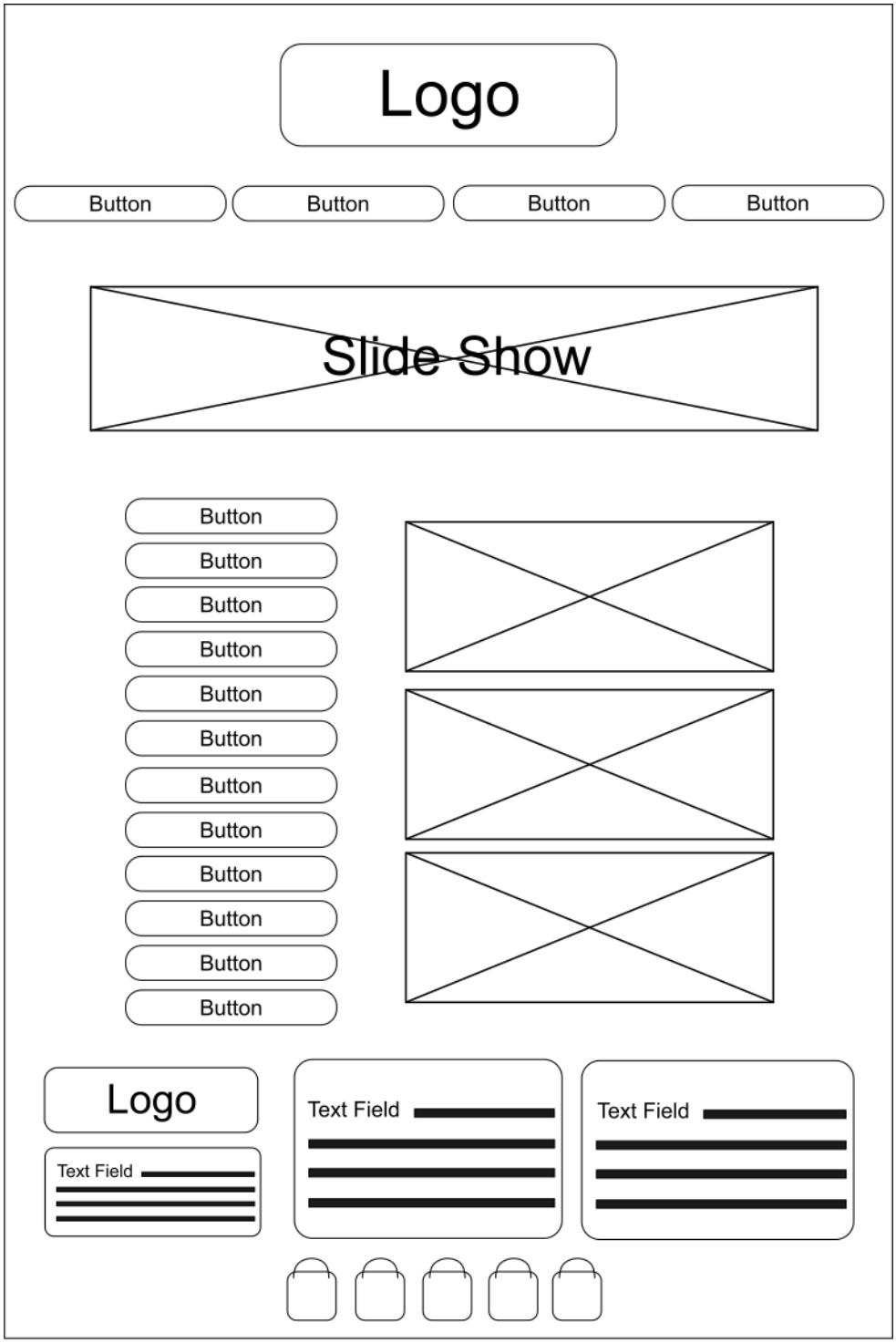


Figure – 2.2.2.2 Proposed PC component, PC associates and laptop home interface of website

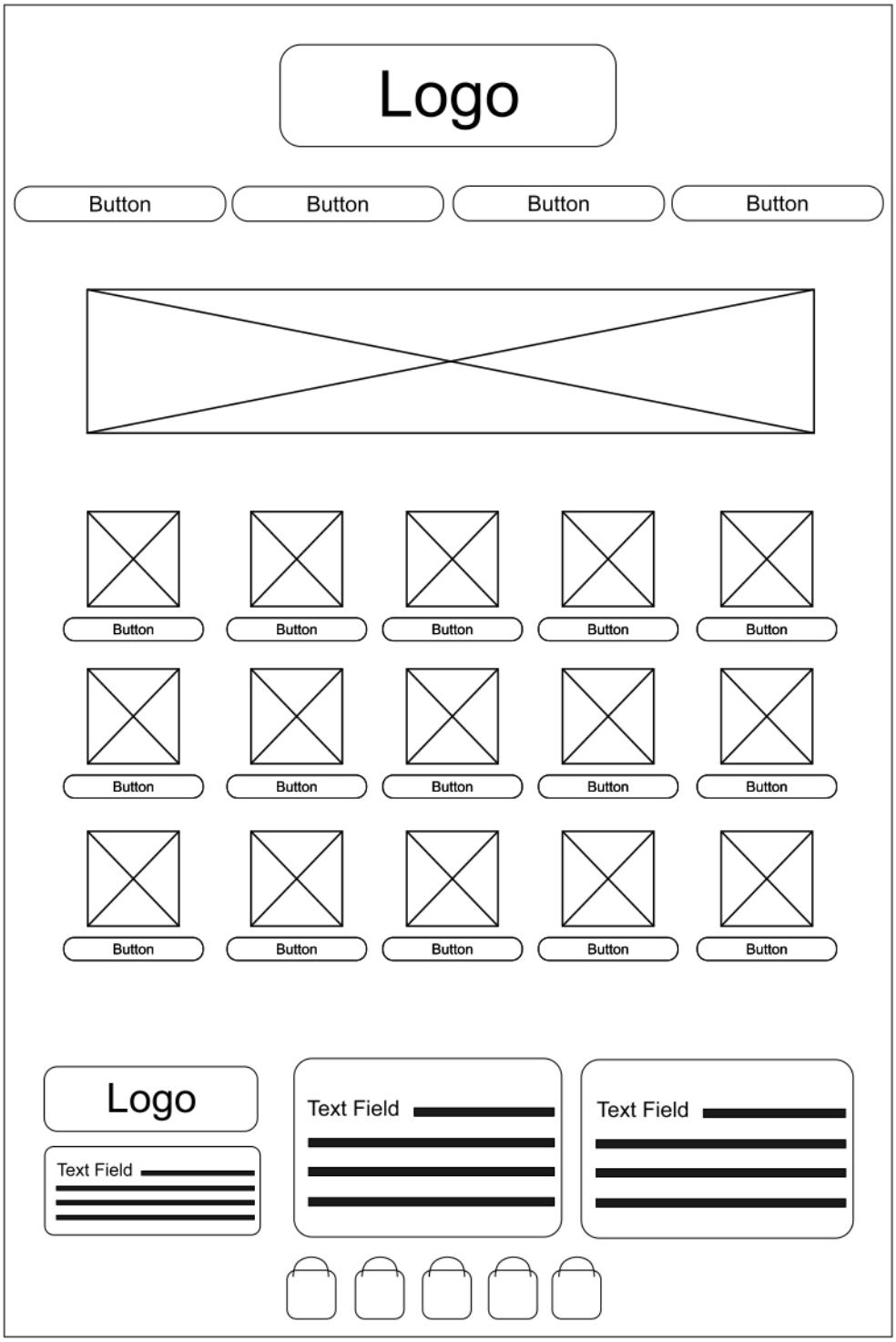


Figure – 2.2.2.3 Proposed PC component, PC associates and laptop interface of website

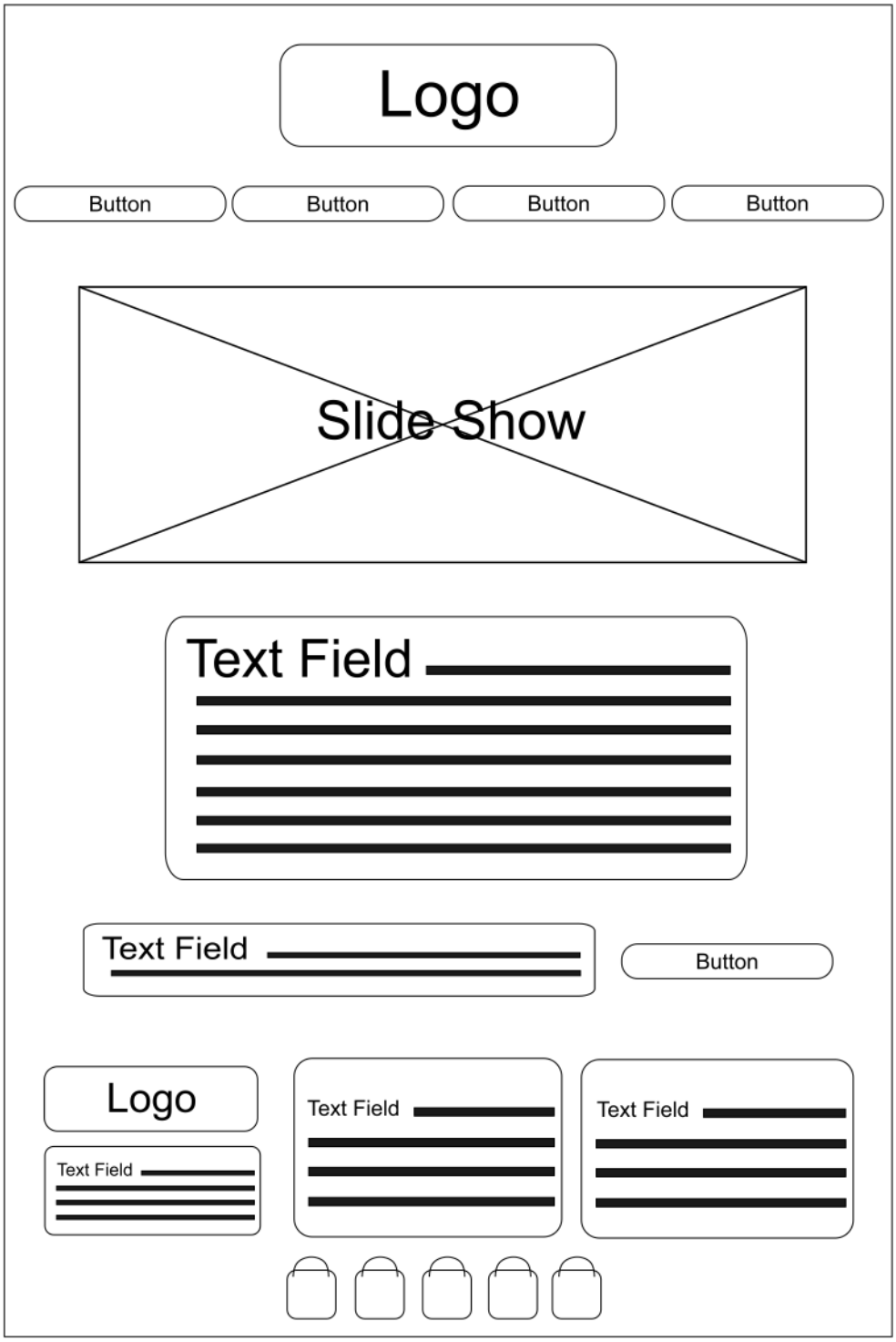


Figure – 2.2.2.3 Proposed game arcade and internet café home interface of website

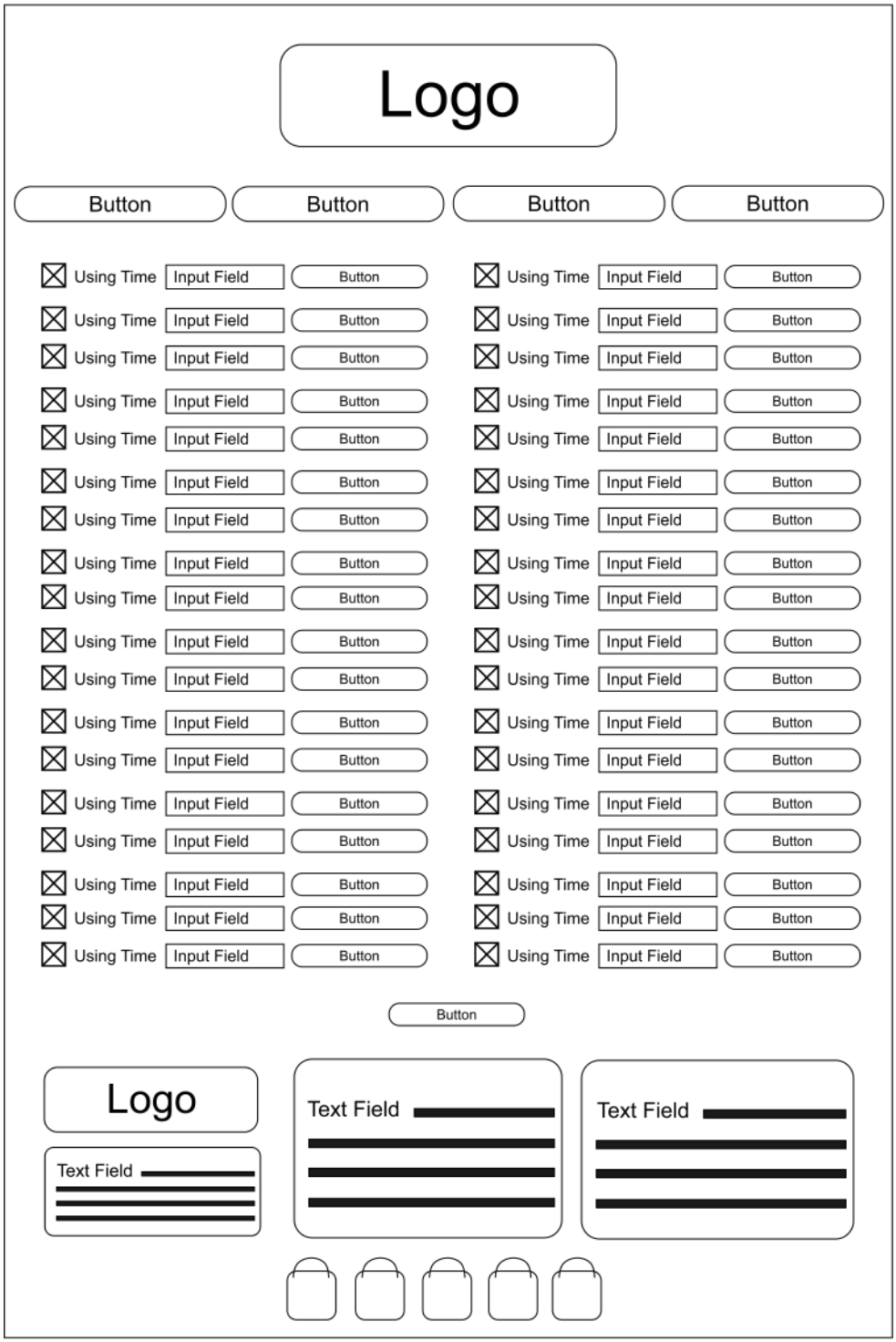


Figure – 2.2.2.3 Proposed PC booking interface of website

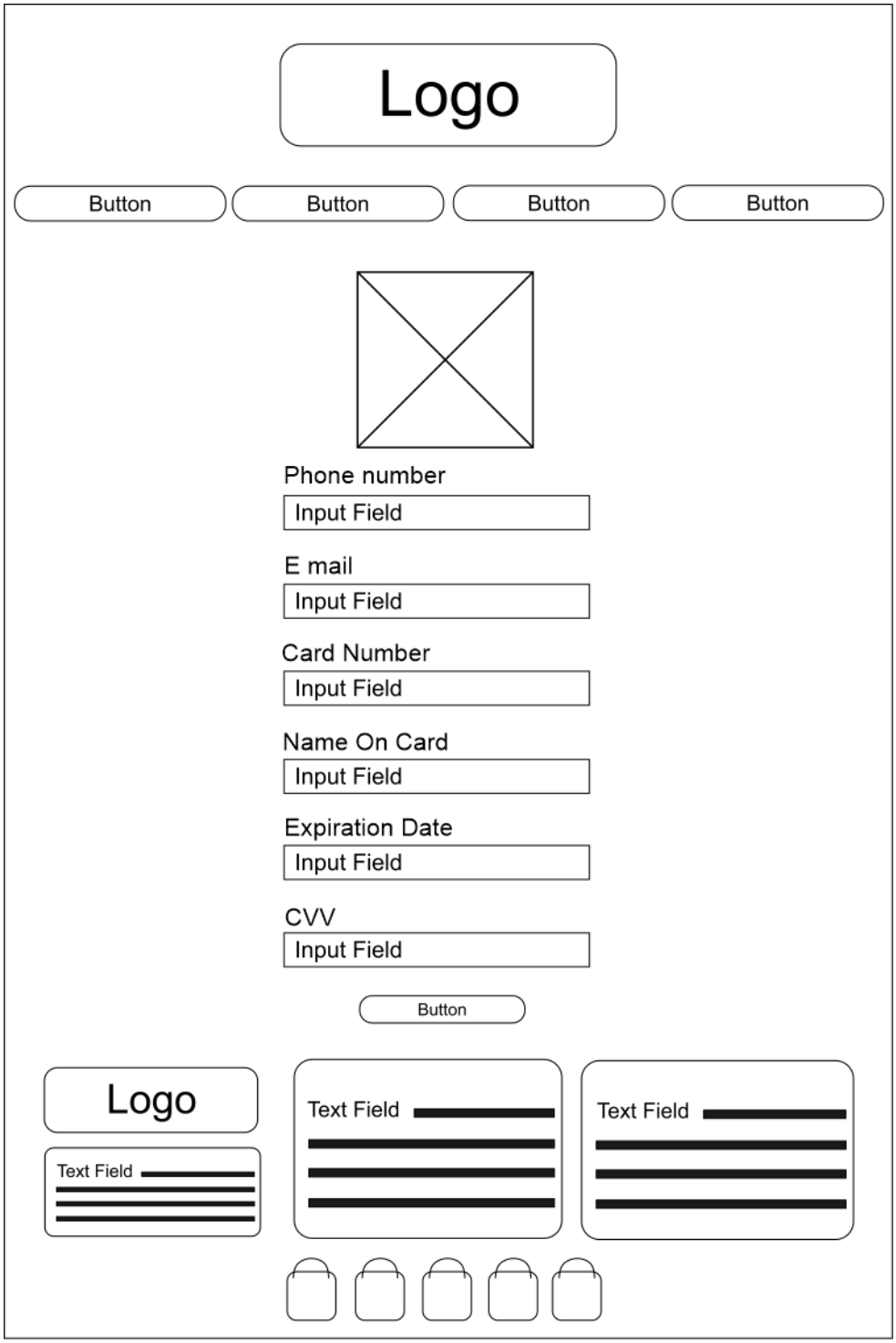


Figure – 2.2.2.3 Proposed customer payment interface of website

2.3 MODULE DESCRIPTION

PC component home interface of website**:**

- Purpose: Enable a easy navigation for user.

Figure – 2.3.1 Screenshot of PC component home interface of website

laptop interface of website (MSI laptop category)**:**

- Purpose: Enable a choosing platform for user.

Figure – 2.3.2 Screenshot of laptop interface of website

customer payment interface of website

- Purpose: Enable a PC choosing and booking platform for user.

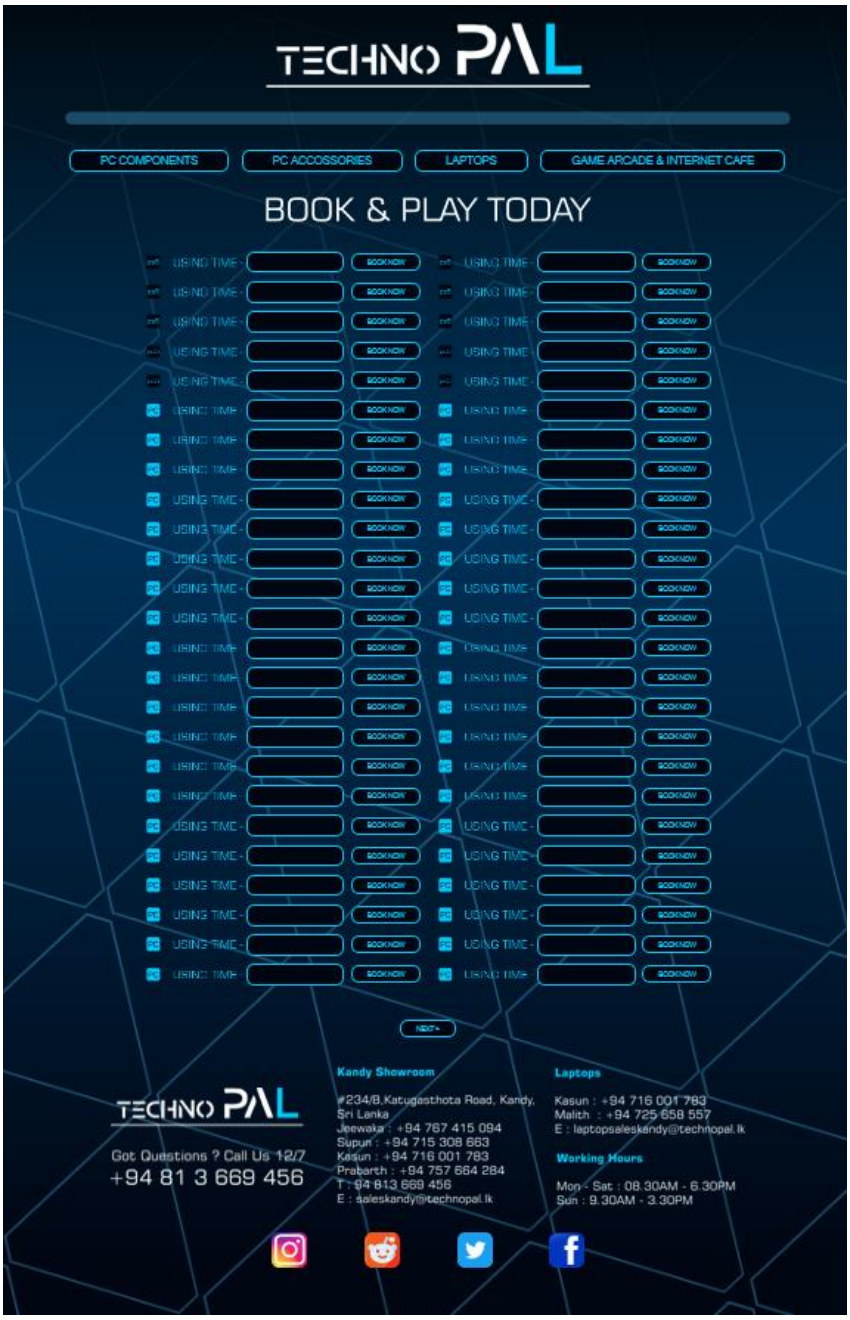


Figure – 2.3.3 Screenshot of laptop interface of website

PC booking interface of website

- Purpose: Enable a payment platform for user.

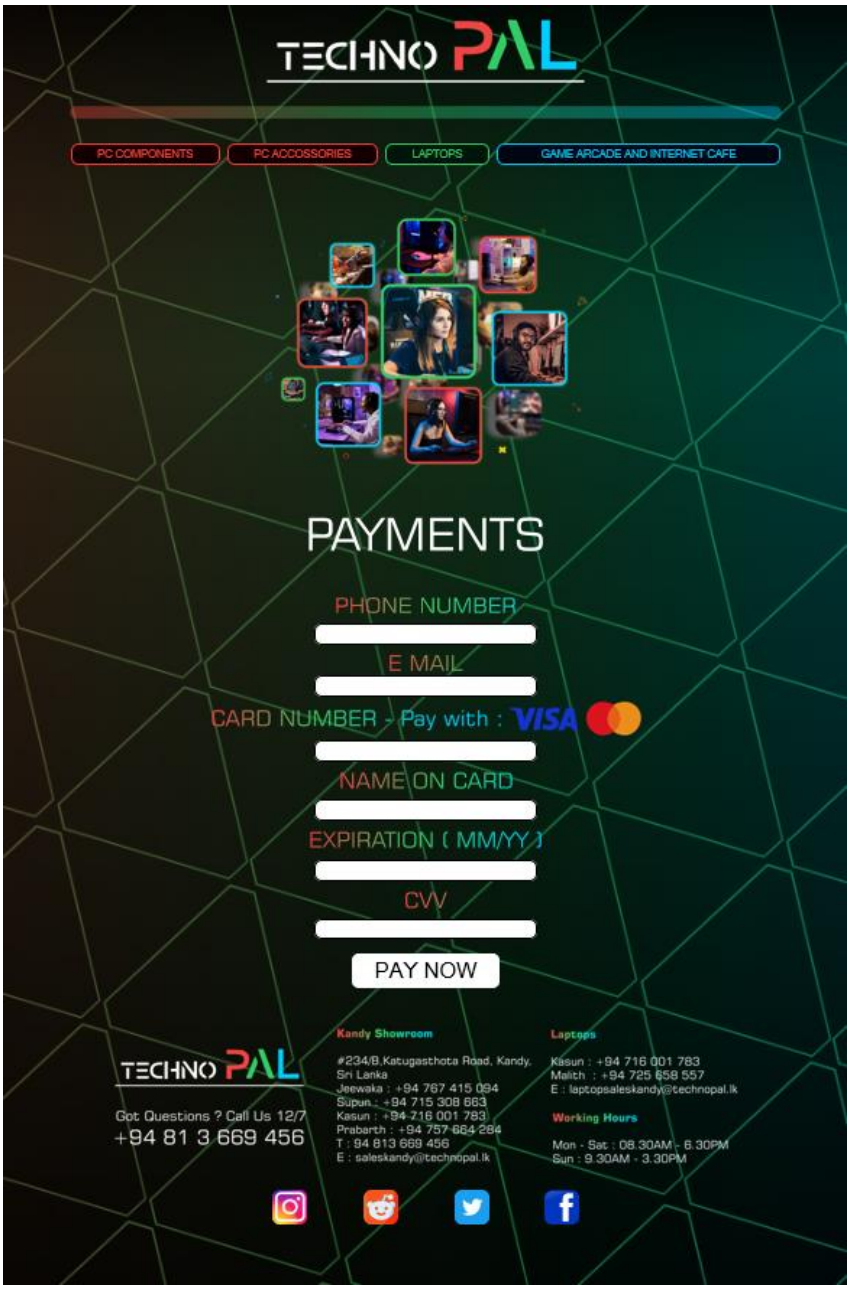


Figure – 2.3.4 Screenshot of payment interface of website

CHAPTER 3

3.0 CONCLUSION & FURTHER WORK

3.0.1 OVERALL ACHIEVEMENTS

The “TECHNO PAL” Website has successfully achieved its primary goals, providing a detailed platform about all kind of computer components, computer associates and laptops also providing a PC early booking and payment platform.

3.0.2 PROBLEMS ENCOUNTERED

Content Gathering:

- Problem: Difficulty in finding and computer components, computer associates and laptops details.
- Solution: Reach out to local communities, or use reliable websites about computer components, computer associates and laptops.

Technical Challenges:

- Problem: Limited technical knowledge or coding skills.
- Solution: Utilize user-friendly website builders. Alternatively, consider learning basic web development skills or collaborate with someone who has the required expertise

Design and User Experience:

- Problem: Creating an intuitive and visually appealing design.
- Solution: Use responsive design principles and using graphic design software (CorelDRAW), choose a clean and easy-to navigate layout, and consider user feedback during the design process. Leverage website templates.

3.0.3 LIMITATIONS AND FURTHER WORK

Limited Detail Variety:

- Limitation: The current website have a limited details about computer components, computer associates and laptops. user cannot access all kind details they want .

- Further Work: Expand the data base of computer components, computer associates and laptops.

Language Barrier:

- Limitation: The website available only in one language, limiting accessibility for non-English speakers.

- Further Work: Implement multilingual support to reach a wider audience. Include translations for recipe content and user interface elements in languages commonly spoken in Sri Lanka.

Interactivity and User Engagement:

- Limitation: Limited interactivity and user engagement features on the website.

- Further Work: Integrate community-building features, such as user forums, comments, and user-generated content. Encourage users to share their own variations of computer components, computer associates, laptops and experiences.

Mobile Responsiveness:

- Limitation: The website not optimized for mobile devices, impacting the user experience for mobile users.

- Further Work: Develop a dedicated mobile application for a seamless and user-friendly experience on smartphones and tablets. Ensure that the app includes all the features available on the website.

More reliable:

- Limitation: website has a user payment interface and it’s not secure to use without proper precaution.

- Further Work: Develop a secure and proper payment system and give access to payment roll system in e-commercial.

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3.2 APPENDIXES

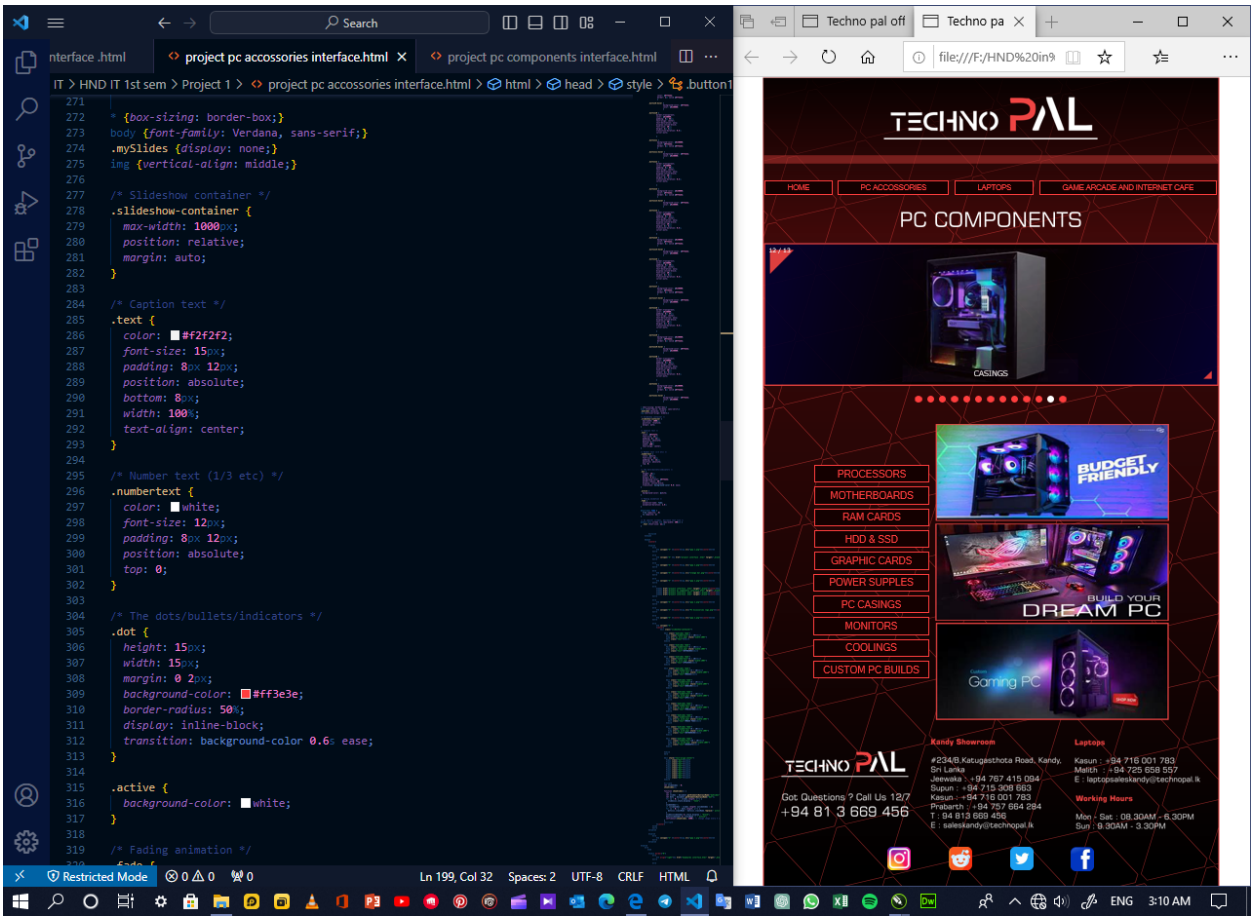

Figure – 3.1.1 Screenshot of first time developing website

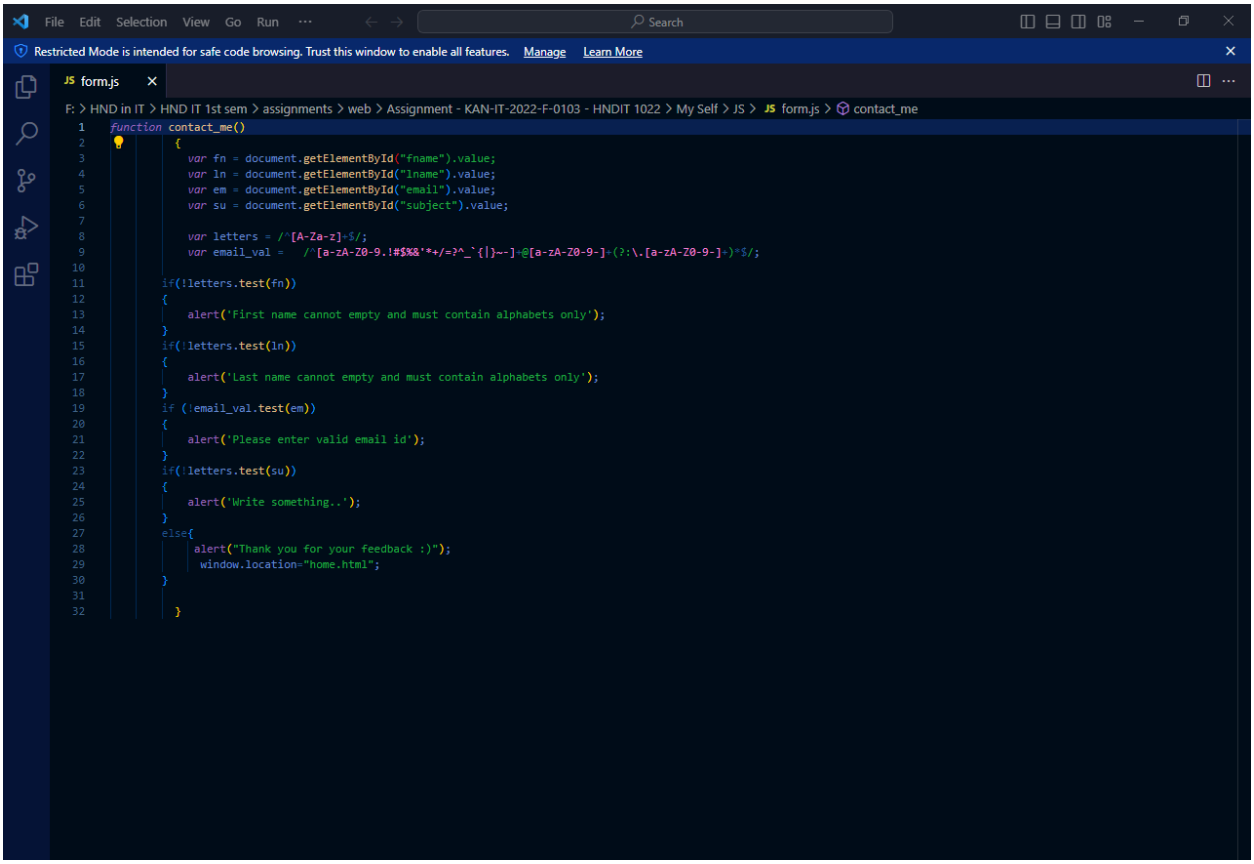

Figure – 3.1.1 Screenshot adding JS in external form

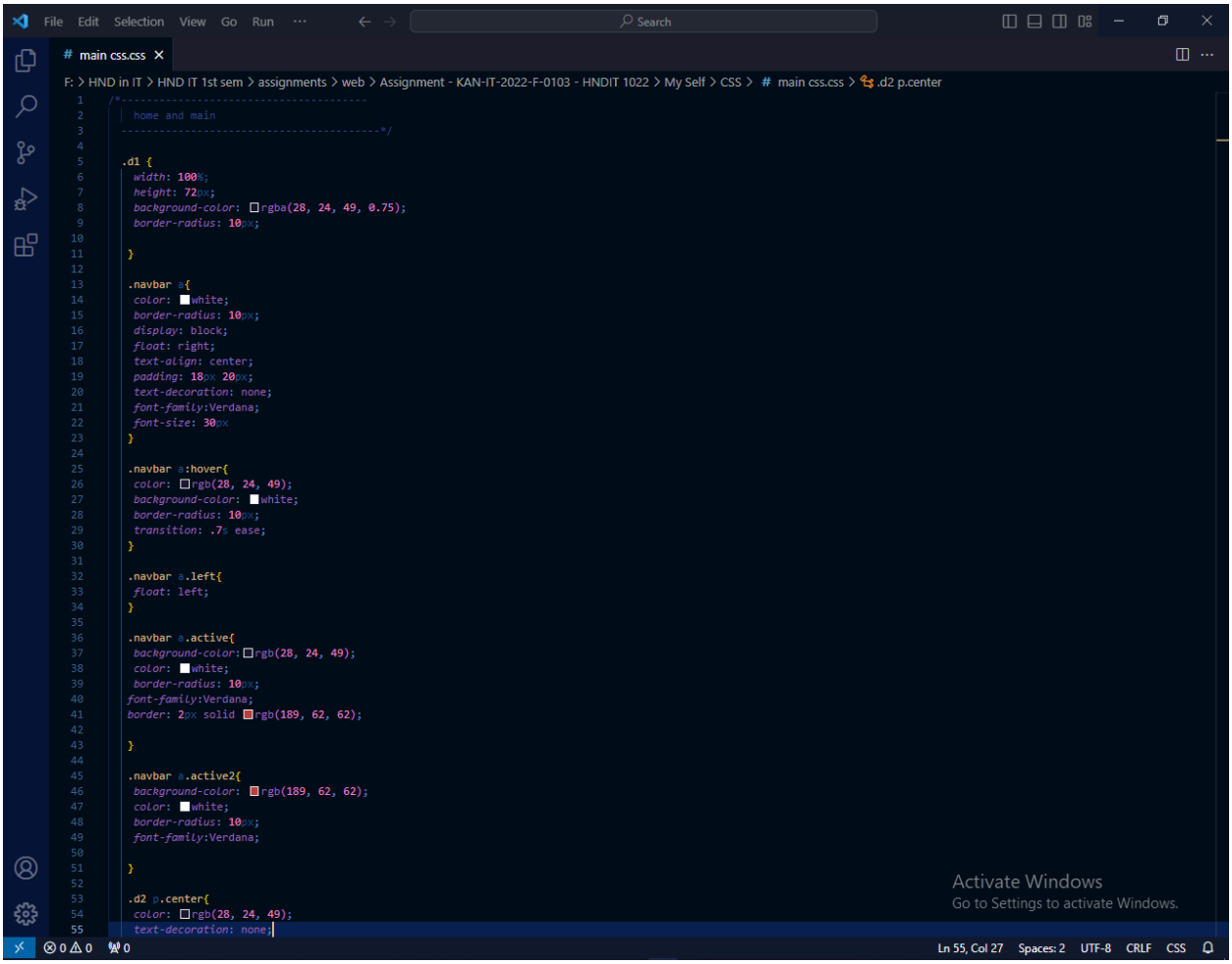

Figure – 3.1.3 Screenshot adding CSS in external form

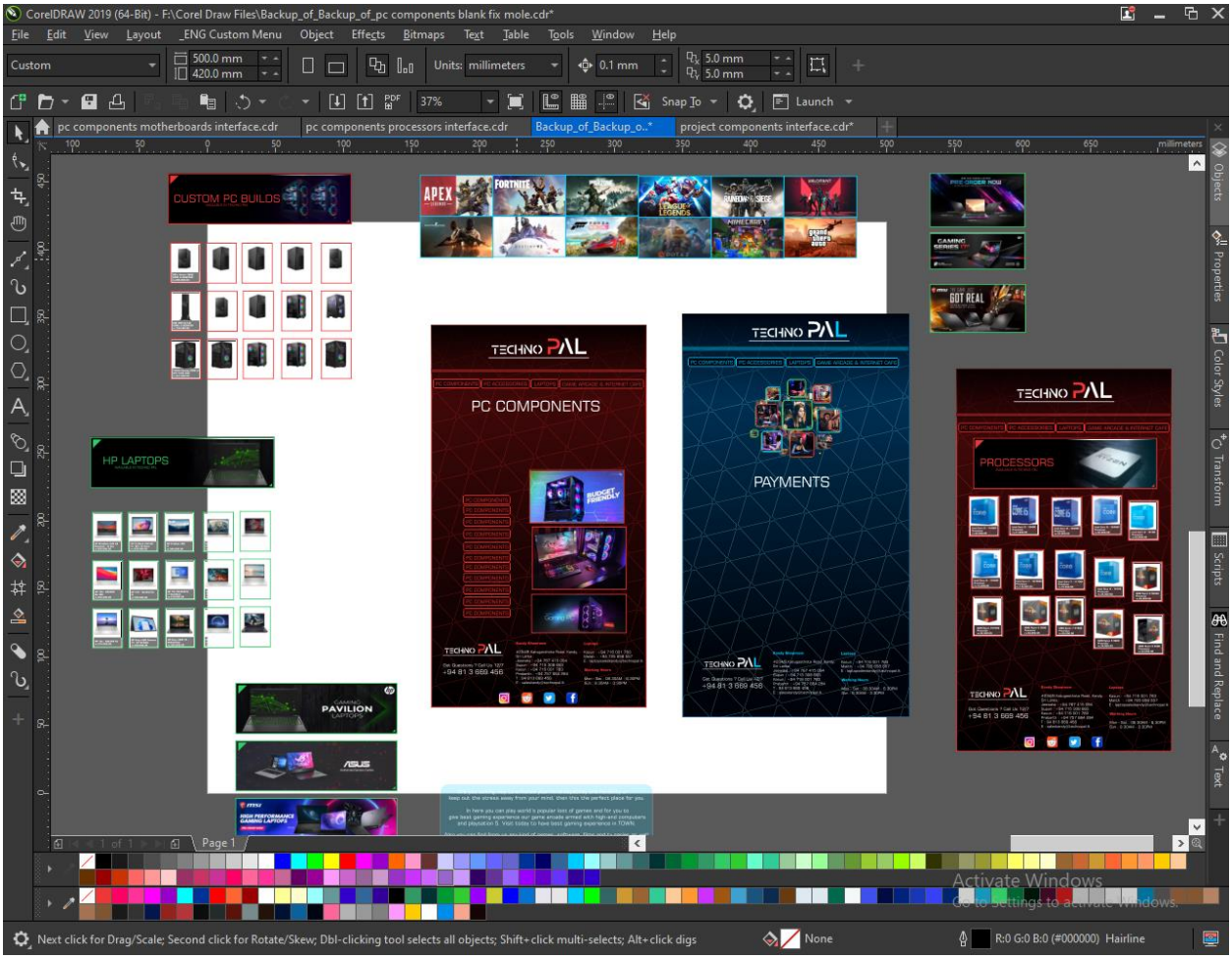

Figure – 3.1.4 Screenshot illustrating website with using CorelDRAW